

INTERNATIONAL SEARCH REPORT

PCT/GB 03/03462

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	F01N3/023	F01N3/022	F01N3/08	F01N3/031	F01N3/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99 44725 A (JOHNSON MATTHEY PLC ; CHANDLER GUY RICHARD (GB); TWIGG MARTYN VINCE) 10 September 1999 (1999-09-10) page 1, line 6 -page 6, line 26; figures 1-4	1-5, 7-9, 17-21
Y	EP 0 061 304 A (JOHNSON MATTHEY PLC) 29 September 1982 (1982-09-29) page 6, line 7 -page 7, line 9 page 15, line 7 - line 15; figure 3	1-5, 7-9, 17-21
E	EP 1 262 641 A (MITSUI BUSSAN) 4 December 2002 (2002-12-04) paragraph '0053! - paragraph '0062! paragraph '0097! - paragraph '0099!; figure 3	1-5, 10-21
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the Invention

X document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the International search

31 October 2003

Date of mailing of the International search report

07/11/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 96717 A (CHAPMAN KENNETH HAZEL ;JOHNSON MATTHEY PLC (GB); WILKINS ANTHONY J) 20 December 2001 (2001-12-20) page 2, line 5 -page 12, line 3; figure 1 ----- US 4 902 487 A (JUNG HYUN J ET AL) 20 February 1990 (1990-02-20) page 1, line 9 -page 4, line 13; figure 1 -----	1-5,7, 10,11,21
A		1-5,10, 11,21

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